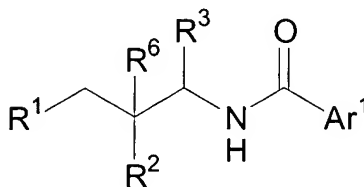


Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the present application.

Listing of Claims:

Claim 1 (currently amended): A compound of structural formula I:



(I)

or a pharmaceutically acceptable salt thereof, wherein;

R¹ is selected from:

- (1) C₁₋₁₀alkyl,
- (2) C₃₋₁₀cycloalkyl,
- (3) cycloheteroalkyl,
- (4) aryl, and
- (5) heteroaryl,

wherein alkyl is optionally substituted with one, two, three or four substituents independently selected from R^a, and each cycloalkyl, cycloheteroalkyl, aryl and heteroaryl are optionally substituted on a carbon or nitrogen atom with one, two, three or four substituents independently selected from R^b;

R² is selected from:

- (1) C₃₋₁₀cycloalkyl,
- (2) cycloheteroalkyl,
- (3) aryl,
- (4) heteroaryl,
- (5) -OR^d,
- (6) -NR^cR^d, and
- (7) -CO₂R^d,

wherein each alkyl is optionally substituted with one, two, three or four substituents independently selected from R^a , and each cycloalkyl, cycloheteroalkyl, aryl and heteroaryl are optionally substituted on a carbon or nitrogen atom with one, two, three or four substituents independently selected from R^b ;

R^3 is selected from:

- (1) hydrogen, and
- (2) C_{1-4} alkyl,

wherein alkyl is optionally substituted with one to four substituents independently selected from R^a ;

R^6 is selected from:

- (1) hydrogen,
- (2) C_{1-4} alkyl,
- (3) C_{2-4} alkenyl,
- (4) C_{2-4} alkynyl,
- (5) $-OR^d$,
- (6) halogen,
- (7) $-CN$,
- (8) $-NR^cR^d$,

wherein alkyl, alkenyl, and alkynyl are optionally substituted with one to four substituents independently selected from R^a

Ar^1 is selected from:

- (1) aryl, and
- (2) heteroaryl,

each optionally substituted on the carbon or nitrogen with one, two, or three groups independently selected from R^b ;

each R^a is independently selected from:

- (1) $-OR^c$,
- (2) $-NR^cS(O)_mR^d$,
- (3) $-NO_2$,
- (4) halogen,
- (5) $-S(O)_mR^c$,
- (6) $-SR^c$,
- (7) $-S(O)_2OR^c$,
- (8) $-S(O)_mNR^cR^d$,

- (9) $-\text{NR}^c\text{R}^d$,
- (10) $-\text{O}(\text{CR}^e\text{R}^f)_n\text{NR}^c\text{R}^d$,
- (11) $-\text{C}(\text{O})\text{R}^c$,
- (12) $-\text{CO}_2\text{R}^c$,
- (13) $-\text{CO}_2(\text{CR}^e\text{R}^f)_n\text{CONR}^c\text{R}^d$,
- (14) $-\text{OC}(\text{O})\text{R}^c$,
- (15) $-\text{CN}$,
- (16) $-\text{C}(\text{O})\text{NR}^c\text{R}^d$,
- (17) $-\text{NR}^c\text{C}(\text{O})\text{R}^d$,
- (18) $-\text{OC}(\text{O})\text{NR}^c\text{R}^d$,
- (19) $-\text{NR}^c\text{C}(\text{O})\text{OR}^d$,
- (20) $-\text{NR}^c\text{C}(\text{O})\text{NR}^c\text{R}^d$,
- (21) $-\text{CR}^c(\text{N}-\text{OR}^d)$,
- (22) CF_3 ,
- (23) $-\text{OCF}_3$,
- (24) $\text{C}_3\text{-8cycloalkyl}$,
- (25) cycloheteroalkyl , and
- (26) oxo ;

each R^b is independently selected from:

- (1) R^a ,
- (2) $\text{C}_{1-10}\text{alkyl}$,
- (3) $\text{C}_3\text{-8cycloalkyl}$,
- (4) cycloheteroalkyl ,
- (5) aryl ,
- (6) $\text{arylC}_{1-4}\text{alkyl}$,
- (7) heteroaryl , and
- (8) $\text{heteroarylC}_{1-4}\text{alkyl}$,

wherein alkyl , cycloalkyl , cycloheteroalkyl , and heteroaryl are optionally substituted with oxo , and

wherein aryl and heteroaryl are optionally substituted with $-\text{OR}^c$, NR^cR^d , or $-\text{C}(\text{O})\text{R}^c$;

R^c and R^d are independently selected from:

- (1) hydrogen ,
- (2) $\text{C}_{1-10}\text{alkyl}$,
- (3) $\text{C}_2\text{-10 alkenyl}$,

- (4) C₂₋₁₀alkynyl,
- (5) cycloalkyl,
- (6) cycloalkyl-C₁₋₁₀alkyl,
- (7) cycloheteroalkyl,
- (8) cycloheteroalkyl-C₁₋₁₀alkyl;
- (9) aryl,
- (10) heteroaryl,
- (11) aryl-C₁₋₁₀alkyl, and
- (12) heteroaryl-C₁₋₁₀alkyl, or

R^c and R^d together with the atom(s) to which they are attached form a heterocyclic ring of 4 to 7 members containing 0-2 additional heteroatoms independently selected from oxygen, sulfur and N-R^g, or two -OR^c groups together with the atom(s) to which they are attached form a heterocyclic ring of 4 to 7 members containing 0-2 additional heteroatoms independently selected from oxygen, sulfur and N-R^g, each R^c and R^d may be unsubstituted or substituted with one to three substituents selected from R^h;

R^e and R^f are independently selected from:

- (1) hydrogen,
- (2) C₁₋₁₀alkyl,
- (3) C₂₋₁₀alkenyl,
- (4) C₂₋₁₀alkynyl,
- (5) cycloalkyl,
- (6) cycloalkyl-C₁₋₁₀alkyl,
- (7) cycloheteroalkyl,
- (8) cycloheteroalkyl-C₁₋₁₀alkyl,
- (9) aryl,
- (10) heteroaryl,
- (11) aryl-C₁₋₁₀alkyl, and
- (12) heteroaryl-C₁₋₁₀alkyl, or

R^e and R^f together with the carbon to which they are attached form a ring of 5 to 7 members containing 0-2 heteroatoms independently selected from oxygen, sulfur and nitrogen; each R^g is independently selected from

- (1) C₁₋₁₀alkyl,
- (2) C₃₋₈cycloalkyl,
- (3) cycloheteroalkyl,

- (4) aryl,
- (5) arylC₁₋₄alkyl,
- (6) heteroaryl,
- (7) heteroarylC₁₋₄alkyl,
- (8) -S(O)_mRe,
- (9) -C(O)Re,
- (10) -CO₂Re,
- (11) -CO₂(CReRf)_nCONReRf, and
- (12) -C(O)NReRf;

each R^h is independently selected from:

- (1) C₁₋₁₀alkyl,
- (2) C₃₋₈cycloalkyl,
- (3) cycloheteroalkyl,
- (4) aryl,
- (5) arylC₁₋₄alkyl,
- (6) heteroaryl,
- (7) heteroarylC₁₋₄alkyl,
- (8) -ORE,
- (9) -NReS(O)_mRf,
- (10) -S(O)_mRe,
- (11) -SRe,
- (12) -S(O)₂ORE,
- (13) -S(O)_mNReRf,
- (14) -NReRf,
- (15) -O(CReRf)_nNReRf,
- (16) -C(O)Re,
- (17) -CO₂Re,
- (18) -CO₂(CReRf)_nCONReRf,
- (19) -OC(O)Re,
- (20) -CN,
- (21) -C(O)NReRf,
- (22) -NReC(O)Rf,
- (23) -OC(O)NReRf,

- (24) $-NReC(O)OR^f$,
- (25) $-NReC(O)NR^eR^f$,
- (26) CF_3 , and
- (27) $-OCF_3$,

m is selected from 1 and 2; and

n is selected from 1, 2, and 3;

~~provided that when R^1 is phenyl, naphthyl, or heteroaryl, R^2 is phenyl and R^3 is hydrogen, then Ar^1 is not unsubstituted phenyl and is not mono, di or tri-substituted phenyl with an R^b substituent selected from the group consisting of halogen, hydroxy, C₁₋₆-alkyl, phenyl, CN, NO₂, CO₂H, C(O)C₁₋₆alkyl, CO₂C₁₋₆alkyl, C(O)NH₂, C(O)NH heterocycloalkyl, NH₂, NH heterocycloalkyl, furanyl, dihydrofuranyl, pyrrolidyl, dihydropyrrolidyl, and 1,3-dioxolan; and~~

~~provided that when R^1 is aryl, monosubstituted with halogen, OCH₃ or CH₃ or optionally di-substituted with halogen, R^2 is aryl, optionally mono or di-substituted with halogen, and R^3 is hydrogen, then Ar^1 is not unsubstituted 4-pyridinyl; and~~

~~provided that when R^1 and R^2 are unsubstituted aryl or unsubstituted heteroaryl, and R^3 is hydrogen or C₁₋₄alkyl, then Ar^1 is substituted with at least one R^b substituent; and~~

~~provided that when R^1 is selected from the group consisting of unsubstituted phenyl, *para*-chlorophenyl or *para*-methoxy phenyl, R^2 is unsubstituted phenyl, and R^3 is $-CH_3$, then Ar^1 is not unsubstituted phenyl, *ortho*-CO₂H monosubstituted phenyl, or 3,4-dimethoxy phenyl.~~

Claim 2 (currently amended): The compound according to Claim 1 wherein:

R^1 is selected from:

- (1) C₁₋₁₀alkyl,
- (2) C₃₋₁₀cycloalkyl,
- (3) cycloheteroalkyl,
- (4) aryl, and
- (5) heteroaryl,

wherein alkyl is optionally substituted with one, two, three or four substituents independently selected from R^a, and each cycloalkyl, cycloheteroalkyl, aryl and heteroaryl are optionally substituted with one, two, three or four substituents independently selected from R^b;

R² is selected from:

- (1) C₃₋₁₀cycloalkyl,
- (2) cycloheteroalkyl,
- (3) aryl,
- (4) heteroaryl,
- (5) -OR^d,
- (6) -NRCR^d, and
- (7) -CO₂R^d,

~~wherein each alkyl is optionally substituted with one, two, three or four substituents independently selected from R^a, and each cycloalkyl, and cycloheteroalkyl aryl and heteroaryl are optionally substituted with one, two, three or four substituents independently selected from R^b;~~

or a pharmaceutically acceptable salt thereof.

Claim 3 (Original): The compound according to Claim 2 wherein:

Ar¹ is selected from:

- (1) phenyl,
- (2) naphthyl,
- (3) thienyl,
- (4) furanyl,
- (5) pyrrolyl,
- (6) oxazolyl,
- (7) isoxazolyl,
- (8) 1,2,5-oxadiazolyl,
- (9) 1,2,5-thiadiazolyl,
- (10) thiazolyl,
- (11) pyrazolyl,
- (12) triazolyl,
- (13) tetrazolyl,
- (14) benzothienyl,
- (15) benzofuranyl,

- (16) benzoxazolyl,
- (17) benzimidazolyl,
- (18) benzothiazolyl,
- (19) indanyl,
- (20) indenyl,
- (21) indolyl,
- (22) imidazo[1,2-a]pyridinyl,
- (23) β -carbolinyl,
- (24) 5,6,7,8-tetrahydro- β -carbolinyl,
- (25) tetrahydronaphthyl,
- (26) 4,5,6,7-tetrahydroindazolyl,
- (27) 2,3-dihydrobenzofuranyl,
- (28) dihydrobenzopyranyl,
- (29) 1,4-benzodioxanyl,
- (30) pyridinyl,
- (31) pyrimidinyl,
- (32) pyrazinyl,
- (33) quinolinyl,
- (34) isoquinolinyl,
- (35) quinazolonyl,
- (36) quinazolinyl,
- (37) 1,8-naphthyridinyl,
- (38) 1,2,3,4-tetrahydro-1,8-naphthyridinyl,
- (39) pyrido[3,2-b]pyridinyl,
- (40) pyrazolo[2,3-a]pyrimidinyl,
- (41) pyrido[1,2-a]pyrimidinyl,
- (42) pyrido[1,2-a]pyrimidonyl,
- (43) benzopyrimidinyl,
- (44) imidazolyl, and
- (45) imidazolonyl,

each optionally substituted with one, two, or three groups independently selected from R^b;
or a pharmaceutically acceptable salt thereof.

Claim 4 (Original): The compound according to Claim 3 wherein:

R³ is C₁₋₄alkyl, optionally substituted with one to four substituents independently selected from R^a;

R⁶ is selected from:

- (1) hydrogen,
- (2) methyl,
- (3) hydroxyl,
- (4) halogen, and
- (5) -CN,

wherein methyl is optionally substituted with one to three R^a substituents;

Ar¹ is selected from:

- (1) phenyl,
- (2) naphthyl,
- (3) thienyl,
- (4) isoxazolyl,
- (5) 1,2,5-oxadiazolyl,
- (6) thiazolyl,
- (7) pyrazolyl,
- (8) triazolyl,
- (9) tetrazolyl,
- (10) benzofuranyl,
- (11) benzoxazolyl,
- (12) benzimidazolyl,
- (13) benzothiazolyl,
- (14) imidazo[1,2-a]pyridinyl,
- (15) 5,6,7,8-tetrahydro- β -carbolinyl,
- (16) 4,5,6,7-tetrahydroindazolyl,
- (17) pyridinyl,
- (18) pyrimidinyl,
- (19) pyrazinyl,
- (20) quinolinyl,
- (21) isoquinolinyl,
- (22) quinazolonyl,
- (23) quinazolinyl,

- (24) 1,8-naphthyridinyl,
- (25) 1,2,3,4-tetrahydro-1,8-naphthyridinyl,
- (26) pyrido[3,2-b]pyridinyl,
- (27) pyrazolo[2,3-a]pyrimidinyl,
- (28) pyrido[1,2-a]pyrimidinyl,
- (29) pyrido[1,2-a]pyrimidonyl,
- (30) benzopyrimidinyl,
- (31) imidazolyl, and
- (32) imidazolonyl,

each optionally substituted with one, two, or three groups independently selected from R^b;

each R^a is independently selected from:

- (1) -OR^c,
- (2) halogen,
- (3) -S(O)_mR^c,
- (4) -SR^c,
- (5) -S(O)₂OR^c,
- (6) -S(O)_mNR^cR^d,
- (7) -NR^cR^d,
- (8) -C(O)R^c,
- (9) -CO₂R^c,
- (10) -CN,
- (11) -C(O)NR^cR^d,
- (12) CF₃,
- (13) -OCF₃,
- (14) C₃₋₈cycloalkyl,
- (15) cycloheteroalkyl, and
- (16) oxo;

each R^b is independently selected from:

- (1) R^a,
- (2) C₁₋₁₀alkyl,
- (3) cycloheteroalkyl,
- (4) aryl,
- (5) arylC₁₋₄alkyl,

- (6) heteroaryl, and
- (7) heteroarylC₁₋₄alkyl,

wherein alkyl, cycloalkyl, cycloheteroalkyl, heteroaryl are optionally substituted with oxo, and wherein aryl and heteroaryl are optionally substituted with -OR^c, NR^cR^d, or -C(O)R^c;

R^c and R^d are independently selected from:

- (1) hydrogen,
- (2) C₁₋₁₀alkyl,
- (3) cycloalkyl,
- (4) cycloheteroalkyl,
- (5) aryl,
- (6) heteroaryl, or

R^c and R^d together with the atom(s) to which they are attached form a heterocyclic ring of 4 to 7 members containing 0-2 additional heteroatoms independently selected from oxygen, sulfur and N-R^g, or two -OR^c groups together with the atom(s) to which they are attached form a heterocyclic ring of 4 to 7 members containing 0-2 additional heteroatoms independently selected from oxygen, sulfur and N-R^g, each R^c and R^d may be unsubstituted or substituted with one to three substituents selected from R^h; or a pharmaceutically acceptable salt thereof.

Claim 5 (Original): The compound according to Claim 4 wherein:

R¹ and R² are independently selected from:

- (1) phenyl, and
- (2) pyridyl,

each optionally substituted with one to four substituents independently selected from R^b;

R³ is C₁₋₄alkyl, wherein alkyl is optionally substituted with one to four substituents independently selected from R^a;

R⁶ is selected from:

- (1) hydrogen,
- (2) methyl,
- (3) hydroxyl,
- (4) halogen, and
- (5) -CN;

each R^a is independently selected from:

- (1) -OR^c,

- (2) halogen,
- (3) $-S(O)_mR^c$,
- (4) $-NR^cR^d$,
- (5) $-C(O)R^c$,
- (6) $-CO_2R^c$, and
- (7) oxo;

or a pharmaceutically acceptable salt thereof.

Claim 6 (Original): The compound according to Claim 5 wherein:

R^1 and R^2 are independently selected from:

- (1) phenyl,
- (2) 4-fluorophenyl,
- (3) 2-chlorophenyl,
- (4) 3-chlorophenyl,
- (5) 4-chlorophenyl,
- (6) 4-cyanophenyl,
- (7) 4-methylphenyl,
- (8) 4-isopropylphenyl,
- (9) 4-biphenyl,
- (10) 4-bromophenyl,
- (11) 4-iodophenyl,
- (12) 2,4-dichlorophenyl, and
- (13) 2-chloro-4-fluorophenyl;

or a pharmaceutically acceptable salt thereof.

Claim 7 (Original): The compound according to Claim 6 wherein:

R^1 and R^2 are independently selected from phenyl and 4-chlorophenyl;

R^3 is methyl, wherein methyl is optionally substituted with one to three substituents independently selected from R^a ;

or a pharmaceutically acceptable salt thereof.

Claim 8 (Original): A compound selected from:

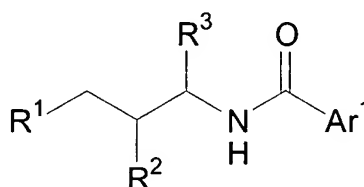
- (1) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzofuran-2-carboxamide;

- (2) *N*-[2,3-bis(4-chlorophenyl)-1-methylpropyl]-3-chloro-2-naphthamide;
- (3) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-isoxazole-5-carboxamide;
- (4) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrido[3,2-*b*]pyridine-2-carboxamide;
- (5) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrazole-3-carboxamide;
- (6) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-thiazole-5-carboxamide;
- (7) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-nicotinamide;
- (8) 2-(1-tetrazolyl)-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (9) 3-(1-tetrazolyl)-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (10) 4-(1-tetrazolyl)-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (11) 5-methyl-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-thiazole-4-carboxamide;
- (12) 2-phenyl-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (13) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrazine-2-carboxamide;
- (14) 3-(1-(3,5-dimethyl-pyrazolyl))-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (15) 4-(1-(pyrrolidin-2-one))-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (16) 3-(1-(imidazolidin-2-one))-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (17) 4-phenyl-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (18) 6-bromo-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-picolinamide;
- (19) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-isonicotinamide;
- (20) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-picolinamide;
- (21) 4-methyl-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-1,2,5-oxadiazole-3-carboxamide;
- (22) 3-(1-(pyrrolidin-2-one))-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (23) 2-bromo-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-isonicotinamide;
- (24) 3-phenyl-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (25) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrimidine-4-carboxamide;
- (26) 4-(1-pyrazolyl)-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (27) 2-(1-pyrazolyl)-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (28) 5,6,7,8-tetrahydro-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-carbazole-3-carboxamide;
- (29) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-1*H*-quinazolin-2-one-4-carboxamide;
- (30) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzoxazole-2-carboxamide;
- (31) *N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrazolo[2,3-*a*]pyrimidine-6-carboxamide;
- (32) 2,4-dimethyl-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrazolo[2,3-*a*]pyrimidine-6-carboxamide;
- (33) 4-(1-piperidiny)-*N*-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;

- (34) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrimidine-5-carboxamide;
- (35) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrido(1,2-a)pyrimidine-4-one-5-carboxamide;
- (36) 4,5,6,7-tetrahydro-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-indazole-3-carboxamide;
- (37) 5-fluoro-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzimidazole-2-carboxamide;
- (38) 5-phenyl-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrazole-3-carboxamide;
- (39) 1,2,3,4-tetrahydro-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-1,8-naphthyridine-7-carboxamide;
- (40) 1-methyl-3-ethyl-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrazole-5-carboxamide;
- (41) 1-methyl-3-propyl-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrazole-5-carboxamide;
- (42) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-quinoline-5-carboxamide;
- (43) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-imidazo(1,2-a)pyridine-2-carboxamide;
- (44) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-quinoline-4-carboxamide;
- (45) 4-bromo-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-nicotinamide;
- (46) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-isoquinoline-8-carboxamide;
- (47) 3-bromo-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-picolinamide;
- (48) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-isoquinoline-5-carboxamide;
- (49) 4-(2-formyl-phenyl)-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (50) 4-(2-hydroxymethyl-phenyl)-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (51) 4-(2-aminophenyl)-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (52) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-2(3H)-imidazolone-4-carboxamide;
- (53) 3-(1-tetrazolyl)-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-isonicotinamide;
- (54) 3,4-(ethylenedioxy)-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-thiophene-2-carboxamide;
- (55) 1-isopropyl-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-pyrazole-4-carboxamide;
- (56) 5-bromo-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-picolinamide;
- (57) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-1,8-naphthyridine-2-carboxamide;
- (58) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzothiazole-2-carboxamide;
- (59) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzimidazole-2-carboxamide;
- (60) 5-chloro-2-(2-(1-pyrrolyl)ethyl)-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (61) 2-(2-phenylethyl)-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (62) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-naphthylene-2-carboxamide;
- (63) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-quinoline-5-carboxamide;
- (64) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-naphthylene-1-carboxamide;
- (65) N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
- (66) 2-chloro-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;

- (67) 3-chloro-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
 (68) 4-chloro-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-benzamide;
 (69) 3,5-dichloro-N-(2,3-bis(4-chlorophenyl)-1-methylpropyl)-isonicotinamide;
 (70) *N*-[2-(3-pyridyl)-3-(4-chlorophenyl)-1-methylpropyl]-benzamide;
 (71) *N*-[2-(2-pyridyl)-3-(4-chlorophenyl)-1-methylpropyl]-benzamide;
 (72) *N*-[2-(4-pyridyl)-3-(4-chlorophenyl)-1-methylpropyl]-benzamide; and
 (73) *N*-[3-(3-chloro-2-pyridyl)-2-phenyl-1-methylpropyl]-benzamide;
 or a pharmaceutically acceptable salt thereof.

Claim 9 (currently amended): A compound of structural formula IA:



(IA)

or a pharmaceutically acceptable salt thereof, wherein:

R¹ is selected from:

- (1) aryl, and
- (2) heteroaryl,

wherein aryl and heteroaryl are optionally substituted on the carbon or nitrogen with one to four substituents independently selected from R^b;

R² is selected from:

- (1) aryl, and
- (2) heteroaryl,

wherein aryl and heteroaryl are optionally substituted on the carbon or nitrogen with one to four substituents independently selected from R^b;

R³ is selected from:

- (1) hydrogen, and
- (2) C₁₋₄alkyl,

wherein alkyl is optionally substituted with one to four substituents independently selected from R^a;

Ar¹ is selected from:

- (1) aryl, and
- (2) heteroaryl,

each optionally substituted on the carbon or nitrogen with one, two, or three groups independently selected from R^b;

each R^a is independently selected from:

- (1) -OR^c,
- (2) -NR^cS(O)_mR^d,
- (3) -NO₂,
- (4) halogen,
- (5) -S(O)_mR^c,
- (6) -SR^c,
- (7) -S(O)₂OR^c,
- (8) -S(O)_mNR^cR^d,
- (9) -NR^cR^d,
- (10) -O(CR^eR^f)_nNR^cR^d,
- (11) -C(O)R^c,
- (12) -CO₂R^c,
- (13) -CO₂(CR^eR^f)_nCONR^cR^d,
- (14) -OC(O)R^c,
- (15) -CN,
- (16) -C(O)NR^cR^d,
- (17) -NR^cC(O)R^d,
- (18) -OC(O)NR^cR^d,
- (19) -NR^cC(O)OR^d,
- (20) -NR^cC(O)NR^cR^d,
- (21) -CR^c(N-OR^d),
- (22) CF₃,
- (23) -OCF₃,
- (24) C₃-8cycloalkyl,
- (25) cycloheteroalkyl, and
- (26) oxo;

each R^b is independently selected from:

- (1) R^a ,
- (2) C_{1-10} alkyl,
- (3) C_{3-8} cycloalkyl,
- (4) cycloheteroalkyl,
- (5) aryl,
- (6) aryl C_{1-4} alkyl,
- (7) heteroaryl, and
- (8) heteroaryl C_{1-4} alkyl,

wherein alkyl, cycloalkyl, cycloheteroalkyl, and heteroaryl are optionally substituted with oxo, and wherein aryl and heteroaryl are optionally substituted with $-OR^c$, NR^cR^d , or $-C(O)R^c$;

R^c and R^d are independently selected from:

- (1) hydrogen,
- (2) C_{1-10} alkyl,
- (3) C_{2-10} alkenyl,
- (4) C_{2-10} alkynyl,
- (5) cycloalkyl,
- (6) cycloalkyl- C_{1-10} alkyl,
- (7) cycloheteroalkyl,
- (8) cycloheteroalkyl- C_{1-10} alkyl;
- (9) aryl,
- (10) heteroaryl,
- (11) aryl- C_{1-10} alkyl, and
- (12) heteroaryl- C_{1-10} alkyl, or

R^c and R^d together with the atom(s) to which they are attached form a heterocyclic ring of 4 to 7 members containing 0-2 additional heteroatoms independently selected from oxygen, sulfur and N-Rg,

or two $-OR^c$ groups together with the atom(s) to which they are attached form a heterocyclic ring of 4 to 7 members containing 0-2 additional heteroatoms independently selected from oxygen, sulfur and N-Rg,

each R^c and R^d may be unsubstituted or substituted with one to three substituents selected from R^h ;

R^e and R^f are independently selected from:

- (1) hydrogen,
- (2) C_{1-10} alkyl,
- (3) C_{2-10} alkenyl,
- (4) C_{2-10} alkynyl,

- (5) cycloalkyl,
- (6) cycloalkyl-C₁₋₁₀ alkyl,
- (7) cycloheteroalkyl,
- (8) cycloheteroalkyl-C₁₋₁₀ alkyl,
- (9) aryl,
- (10) heteroaryl,
- (11) arylC₁₋₁₀ alkyl, and
- (12) heteroarylC₁₋₁₀ alkyl, or

R^e and R^f together with the carbon to which they are attached form a ring of 5 to 7 members containing 0-2 heteroatoms independently selected from oxygen, sulfur and nitrogen;

each R^g is independently selected from

- (1) C₁₋₁₀alkyl,
- (2) C₃₋₈cycloalkyl,
- (3) cycloheteroalkyl,
- (4) aryl,
- (5) arylC₁₋₄alkyl,
- (6) heteroaryl,
- (7) heteroarylC₁₋₄alkyl,
- (8) -S(O)_mR^e,
- (9) -C(O)R^e,
- (10) -CO₂R^e,
- (11) -CO₂(CR^eR^f)_nCONR^eR^f, and
- (12) -C(O)NR^eR^f;

each R^h is independently selected from:

- (1) C₁₋₁₀alkyl,
- (2) C₃₋₈cycloalkyl,
- (3) cycloheteroalkyl,
- (4) aryl,
- (5) arylC₁₋₄alkyl,
- (6) heteroaryl,
- (7) heteroarylC₁₋₄alkyl,
- (8) -OR^e,
- (9) -NR^eS(O)_mR^f,

- (10) $-S(O)_mR^e$,
- (11) $-SR^e$,
- (12) $-S(O)_2OR^e$,
- (13) $-S(O)_mNR^eR^f$,
- (14) $-NR^eR^f$,
- (15) $-O(CR^eR^f)_nNR^eR^f$,
- (16) $-C(O)R^e$,
- (17) $-CO_2R^e$,
- (18) $-CO_2(CR^eR^f)_nCONR^eR^f$,
- (19) $-OC(O)R^e$,
- (20) $-CN$,
- (21) $-C(O)NR^eR^f$,
- (22) $-NR^eC(O)R^f$,
- (23) $-OC(O)NR^eR^f$,
- (24) $-NR^eC(O)OR^f$,
- (25) $-NR^eC(O)NR^eR^f$,
- (26) CF_3 , and
- (27) $-OCF_3$,

m is selected from 1 and 2; and

n is selected from 1, 2, and 3;

~~provided that when R^1 is phenyl, naphthyl, or heteroaryl, R^2 is phenyl and R^3 is hydrogen, Ar^1 is not unsubstituted phenyl and is not mono, di or tri-substituted phenyl with an R^b substituent selected from the group consisting of halogen, hydroxy, C_{1-6} alkyl, phenyl, CN, NO_2 , CO_2H , $C(O)C_{1-6}$ alkyl, CO_2C_{1-6} alkyl, $-C(O)NH_2$, $-C(O)NH$ heterocycloalkyl, NH_2 , NH heterocycloalkyl, furanyl, dihydrofuranyl, pyrrolidyl, dihydropyrrolidyl, and 1,3-dioxolan; and~~

~~provided that when R^1 is aryl, monosubstituted with halogen, OCH_3 or CH_3 and optionally di-substituted with halogen, R^2 is aryl, optionally mono or di-substituted with halogen, and R^3 is hydrogen, Ar^1 is not unsubstituted 4-pyridinyl; and~~

provided that when R¹ and R² are unsubstituted aryl or unsubstituted heteroaryl, and R³ is hydrogen or C₁₋₄ alkyl, Ar¹ is substituted with at least one R^b substituent; and

provided that when R¹ is selected from the group consisting of unsubstituted phenyl, *para*-chlorophenyl or *para*-methoxy phenyl, R² is unsubstituted phenyl, and R³ is -CH₃, Ar¹ is not unsubstituted phenyl, *ortho*-CO₂H monosubstituted phenyl, or 3,4-dimethoxy phenyl.

Claim 10 (Original): The compound according to Claim 9 wherein:

R¹ and R² are independently selected from:

- (1) phenyl,
- (2) naphthyl, and
- (3) pyridyl,

each optionally substituted with one to four substituents independently selected from R^b; or a pharmaceutically acceptable salt thereof.

Claim 11 (Original): The compound according to Claim 10 wherein:

Ar¹ is selected from:

- (1) phenyl,
- (2) naphthyl,
- (3) thienyl,
- (4) furanyl,
- (5) pyrrolyl,
- (6) oxazolyl,
- (7) isoxazolyl,
- (8) 1,2,5-oxadiazolyl,
- (9) 1,2,5-thiadiazolyl,
- (10) thiazolyl,
- (11) pyrazolyl,
- (12) triazolyl,
- (13) tetrazolyl,
- (14) benzothienyl,
- (15) benzofuranyl,
- (16) benzoxazolyl,

- (17) benzimidazolyl,
- (18) benzothiazolyl,
- (19) indanyl,
- (20) indenyl,
- (21) indolyl,
- (22) imidazo[1,2-a]pyridinyl,
- (23) β -carbolinyl,
- (24) 5,6,7,8-tetrahydro- β -carbolinyl,
- (25) tetrahydronaphthyl,
- (26) 4,5,6,7-tetrahydroindazolyl,
- (27) 2,3-dihydrobenzofuranyl,
- (28) dihydrobenzopyranyl,
- (29) 1,4-benzodioxanyl,
- (30) pyridinyl,
- (31) pyrimidinyl,
- (32) pyrazinyl,
- (33) quinolinyl,
- (34) isoquinolinyl,
- (35) quinazolonyl,
- (36) quinazolinyl,
- (37) 1,8-naphthyridinyl,
- (38) 1,2,3,4-tetrahydro-1,8-naphthyridinyl,
- (39) pyrido[3,2-b]pyridinyl,
- (40) pyrazolo[2,3-a]pyrimidinyl,
- (41) pyrido[1,2-a]pyrimidinyl,
- (42) pyrido[1,2-a]pyrimidonyl,
- (43) benzopyrimidinyl,
- (44) imidazolyl, and
- (45) imidazolonyl,

each optionally substituted with one, two, or three groups independently selected from R^b;
or a pharmaceutically acceptable salt thereof.

Claim 12 (currently amended): The compound of claim 11 wherein:

R³ is selected from:

- (1) ~~hydrogen, and~~
- (2) C₁₋₄alkyl,

wherein alkyl is optionally substituted with one to four substituents independently selected from R^a;

Ar¹ is selected from:

- (1) phenyl,
- (2) naphthyl,
- (3) thienyl,
- (4) isoxazolyl,
- (5) 1,2,5-oxadiazolyl,
- (6) thiazolyl,
- (7) pyrazolyl,
- (8) triazolyl,
- (9) tetrazolyl,
- (10) benzofuranyl,
- (11) benzoxazolyl,
- (12) benzimidazolyl,
- (13) benzothiazolyl,
- (14) imidazo[1,2-a]pyridinyl,
- (15) 5,6,7,8-tetrahydro- β -carbolinyl,
- (16) 4,5,6,7-tetrahydroindazolyl,
- (17) pyridinyl,
- (18) pyrimidinyl,
- (19) pyrazinyl,
- (20) quinolinyl,
- (21) isoquinolinyl,
- (22) quinazolonyl,
- (23) quinazolinyl,
- (24) 1,8-naphthyridinyl,
- (25) 1,2,3,4-tetrahydro-1,8-naphthyridinyl,
- (26) pyrido[3,2-b]pyridinyl,
- (27) pyrazolo[2,3-a]pyrimidinyl,
- (28) pyrido[1,2-a]pyrimidinyl,

- (29) pyrido[1,2-a]pyrimidonyl,
- (30) benzopyrimidinyl,
- (31) imidazolyl, and
- (32) imidazolonyl,

each optionally substituted with one, two, or three groups independently selected from R^b;

each R^a is independently selected from:

- (1) -OR^c,
- (2) halogen,
- (3) -S(O)_mR^c,
- (4) -SR^c,
- (5) -S(O)₂OR^c,
- (6) -S(O)_mNR^cR^d,
- (7) -NR^cR^d,
- (8) -C(O)R^c,
- (9) -CO₂R^c,
- (10) -CN,
- (11) -C(O)NR^cR^d,
- (12) CF₃,
- (13) -OCF₃,
- (14) C₃₋₈cycloalkyl,
- (15) cycloheteroalkyl, and
- (16) oxo;

each R^b is independently selected from:

- (1) R^a,
- (2) C₁₋₁₀alkyl,
- (3) cycloheteroalkyl,
- (4) aryl,
- (5) arylC₁₋₄alkyl,
- (6) heteroaryl, and
- (7) heteroarylC₁₋₄alkyl,

wherein alkyl, cycloalkyl, cycloheteroalkyl, heteroaryl are optionally substituted with oxo, and

wherein aryl and heteroaryl are optionally substituted with -OR^c, NR^cR^d, or -C(O)R^c;

R^c and R^d are independently selected from:

- (1) hydrogen,
- (2) C₁₋₁₀alkyl,
- (3) cycloalkyl,
- (4) cycloheteroalkyl,
- (5) aryl,
- (6) heteroaryl, or

R^c and R^d together with the atom(s) to which they are attached form a heterocyclic ring of 4 to 7 members containing 0-2 additional heteroatoms independently selected from oxygen, sulfur and N-R^g, or two -OR^c groups together with the atom(s) to which they are attached form a heterocyclic ring of 4 to 7 members containing 0-2 additional heteroatoms independently selected from oxygen, sulfur and N-R^g, each R^c and R^d may be unsubstituted or substituted with one to three substituents selected from R^h; or a pharmaceutically acceptable salt thereof.

Claim 13 (Original): The compound according to Claim 12, wherein:

R¹ and R² are independently selected from:

- (1) phenyl, and
- (2) pyridyl,

each optionally substituted with one to four substituents independently selected from R^b;

R³ is C₁₋₄alkyl, wherein alkyl is optionally substituted with one to four substituents independently selected from R^a;

each R^a is independently selected from:

- (1) -OR^c,
- (2) halogen,
- (3) -S(O)_mR^c,
- (4) -NR^cR^d,
- (5) -C(O)R^c,
- (6) -CO₂R^c, and
- (7) oxo;

or a pharmaceutically acceptable salt thereof.

Claim 14 (Original): The compound according to Claim 13, wherein:

R¹ and R² are independently selected from:

- (1) phenyl,

- (2) 4-fluorophenyl,
- (3) 2-chlorophenyl,
- (4) 3-chlorophenyl,
- (5) 4-chlorophenyl,
- (6) 4-cyanophenyl,
- (7) 4-methylphenyl,
- (8) 4-isopropylphenyl,
- (9) 4-biphenyl,
- (10) 4-bromophenyl,
- (11) 4-iodophenyl,
- (12) 2,4-dichlorophenyl, and
- (13) 2-chloro-4-fluorophenyl;

or a pharmaceutically acceptable salt thereof.

Claim 15 (Original): The compound according to Claim 14 wherein:

R¹ and R² are independently selected from phenyl and 4-chlorophenyl;

R³ is methyl, wherein methyl is optionally substituted with one to three substituents independently selected from R^a;

or a pharmaceutically acceptable salt thereof.

Claim 16 (Original): A composition comprising a compound according to Claim 1 and a pharmaceutically acceptable carrier.

Claim 17 (Original): A composition comprising a compound according to Claim 8 and a pharmaceutically acceptable carrier.

Claim 18 (Original): A method of preventing obesity in a person at risk for obesity comprising administration to said person of about 0.001 to about 100 mg/kg of a compound according to Claim 1.

Claim 19 (Original): A method of preventing obesity in a person at risk for obesity comprising administration to said person of about 0.001 to about 100 mg/kg of a compound according to Claim 8.

Claim 20 (Original): A method of treating a disease mediated by the Cannabinoid-1 receptor comprising administration of a therapeutically effective amount of a compound of Claim 1 to a patient in need of such treatment.

Claim 21 (Original): The method according to Claim 20 wherein the disease mediated by the Cannabinoid-1 receptor is selected from: psychosis, memory deficit, cognitive disorders, migraine, neuropathy, neuro-inflammatory disorders, cerebral vascular accidents, head trauma, anxiety disorders, stress, epilepsy, Parkinson's disease, schizophrenia, substance abuse disorders, constipation, chronic intestinal pseudo-obstruction, cirrhosis of the liver, asthma, obesity, and other eating disorders associated with excessive food intake.

Claim 22 (Original): The method according to Claim 21 wherein the disease mediated by the Cannabinoid-1 receptor is an eating disorder associated with excessive food intake.

Claim 23 (Original): The method according to Claim 22 wherein the eating disorder associated with excessive food intake is selected from obesity, bulimia nervosa, and compulsive eating disorders.

Claim 24 (Original): The method according to Claim 23 wherein the eating disorder associated with excessive food intake is obesity.

Claims 25-30 (Cancelled).